

Demartek Lab Notes

Real-world, Hands-on Research & Analysis

October 2015



In This Issue

[Demartek News](#)

[Demartek Top Ten](#)

Demartek News

[Demartek Comments on FMS2015 and IDF2015](#)

In August, Demartek President, Dennis Martin, attended the Flash Memory Summit (FMS) and the Intel Developer Forum (IDF). From intelligent driving technology to new breakthrough memory technology from Intel/Micron at the Flash Memory Summit and new memory architecture unveiled at the Intel at the Intel Developer Forum, be sure to read the latest Demartek commentary.



Quick Links

[All News & Reports](#)

[Video Library](#)

[SSD Zone](#)

[Demartek RSS Feed](#)

[Contact Us](#)

[Demartek Publishes Article on What's Next for Solid State](#)

Four major developments have dominated the flash storage landscape in recent years and are available now. In this article, you'll find out the best use cases and the advantages/disadvantages of each. In addition, we will take a look at promising technologies that could replace NAND flash technology.



Demartek Lab Notes –October 2015

[PMC-Sierra Flashtec NVMe2032 Controller vs. Eight SATA SSDs](#)

There are several types of server-side flash, and PMC-Sierra commissioned Demartek to perform a comparison of the PMC-Sierra Flashtec NVMe2032 PCIe SSD with eight high-performance SATA SSDs in a real-world workload environment. The PMC-Sierra Flashtec NVMe2032 controller can be deployed in a PCIe card form factor or a drive form factor. For all the details read the full report.

[Demartek Solution Brief: QLogic Enhanced Gen 5 Fibre Channel](#)

Today's enterprise datacenters typically demand proven technology and need high-bandwidth storage solutions to satisfy the increasing demands of high density virtual server deployments, database workloads and other I/O-intensive applications. To get ready for the next generation, QLogic is releasing its Enhanced Gen 5 (16Gb) Fibre Channel Adapters.

Violin Memory reminds us that multitasking shouldn't be feared.

[Learn More >](#)

WORKLOAD 1: WEB SERVERS
WORKLOAD 2: Microsoft SQL Server
WORKLOAD 3: Microsoft Exchange
WORKLOAD 4: Microsoft SharePoint

Violin Memory 7300 FSP

[Violin Memory 7300 FSP for Multiple Primary Storage Workloads](#)

Violin Memory commissioned Demartek to test the Violin Memory 7300 FSP by running four workloads against it at the same time. Demartek ran web servers, Microsoft SQL Server (MSSQL) OLTP, Microsoft Exchange Jetstress, and Microsoft SharePoint on the storage volumes provided by the Violin Memory 7300 FSP. See how the Violin 7300 stood up against these simultaneous multiple workloads.

Events and Speaking

TechTarget
Storage Decisions

NOVEMBER 3 AND 4
BROOKLYN, NY

Demartek
DENNIS MARTIN SPEAKING
AT THREE SESSIONS

Dennis Martin, President of Demartek, will be presenting three sessions at the [Storage Decisions Conference](#) in New York next month. These sessions include:

Demartek Lab Notes –October 2015

- November 3, 11:45am: [Identifying Performance Bottlenecks with Real-World Applications and Flash-Based Storage](#)
- November 4, 11:00am: [Learn Your Alphabet - SRIOV, NPIV, RoCE, iWARP - to Pump Up Virtual Infrastructure Performance](#)
- November 4, 2:10pm: [New Storage Interfaces for Your Next Datacenter Build Out](#)

To get all the info and register for this event, visit the [Storage Decisions Conference](#) website. Sign up now and make sure you don't miss this event!

Top Ten Demartek Pages and Reports

We list the top ten most popular pages and reports for the last four weeks, updating every Monday morning. Here's how it looked on our website on October 12th:



1. [Demartek Storage Networking Interface Comparison](#)
2. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
3. [Demartek Evaluation of Violin Memory 7300 FSP for Multiple Primary Storage Workloads](#)
4. [Demartek News and Reports](#)
5. [Demartek Evaluation of HP ProLiant Gen9 vs Gen8 vs G7 Server Blades](#)
6. [Demartek Presenting at Flash Memory Summit - August 2015](#)
7. [Demartek Lab Validation and Testing](#)
8. [Demartek SSD Zone](#)
9. [Demartek Evaluation of HP ProLiant Gen8 vs Gen9 Server Blades](#)
10. [Demartek - About Us](#)

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

We completed several projects over the last month or so, as you can see from the list of items in this month's news. We also recently updated our [video library](#) with some new video styles - I encourage you to take a look. We produce our videos in house.

I hope to see some of you at the Storage Decisions New York conference next month!



Dennis Martin, President, Demartek

Demartek Lab Notes –October 2015

Newsletter Sign-Up

If you received this email as a forward, it's easy to sign up for your own free copy of the **Demartek Lab Notes**.

Visit Demartek.com/Newsletter or text DEMARTEKLABNOTES to 22828 to join.

We **never** give out, rent, or sell our email list.

